

## **Amended Abstract**

### **IN THE ABSTRACT**

Change the Abstract to the following Amended Abstract :

### **ABSTRACT**

Ultra Efficient Modulation-Demodulation (modem) and Transmitters-Receiver (transceivers) for high spectral efficient signal generation and processing methods and implementations. Embodiments include Clock Modulated (CM) and Shaped Clocked (SC) transceivers designated as Feher Keying (FK), Feher Quadrature Shift Keying (FQPSK) and Feher Quadrature Modulation (FQAM). In the FK modulator, clock converted and clock shaped signals are processed and generated. These are based on the input data signal patterns.